## Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 15, 16, 19, 20 are amended. Claims 21-24 are new.

## **Listing of Claims:**

1-12 (cancel)

13. (original) A rear-projection display comprising a spatial modulation element, and a rear-projection screen on whose surface on a light-projected side an image formed by the spatial modulation element is projected so that the image is observed from an image-observed side opposite to the light-projected side,

wherein the rear-projection screen includes a first screen element for converting projected light from the spatial modulation element into substantially parallel light, and a second screen element for diffusing the substantially parallel light,

wherein the second screen element includes a lenticular lens array that is provided on the surface on the light-projected side and whose lengthwise direction is directed in a vertical direction, a diffusing layer provided at the image-observed side of the lenticular lens array, and a transparent layer provided between the lenticular lens array and the diffusing layer,

wherein a distance t1 between a light-projected-side surface of the diffusing layer and a focal plane of the lenticular lens array satisfies Formula II-1 below, and a distance t2 between an image-observed-side surface of the diffusing layer and the focal plane of the lenticular lens array satisfies Formula II-2 below:

Formula II-1:

 $t1 \ge f1$ 

Formula II-2:

 $t2 \le f1 \times Pg/P1$ 

where f1 represents a distance between a valley of the lenticular lens array and the focal plane, Pg represents a pixel pitch on the screen, and P1 represents an array pitch of the lenticular lens array.

14. (original) A rear-projection display comprising a spatial modulation element, and a rear-projection screen on whose surface on a light-projected side an image formed by the spatial modulation element is projected so that the image is observed from an image-observed side opposite to the light-projected side,

wherein the rear-projection screen includes a first screen element for converting projected light from the spatial modulation element into substantially parallel light, and a second screen element for diffusing the substantially parallel light,

wherein the second screen element includes a lenticular lens array that is provided on the surface on the light-projected side and whose length-wise direction is directed in a vertical direction, a diffusing layer provided at the image-observed side of the lenticular lens array, and a transparent layer provided between the lenticular lens array and the diffusing layer,

wherein a distance t1 between a light-projected-side surface of the diffusing layer and a focal plane of the lenticular lens array satisfies Formula II-1 below, and a distance t2 between an image-observed-side surface of the diffusing layer and the focal plane of the lenticular lens array satisfies Formula II-3 below:

Formula II-1:

 $t1 \ge f1$ 

Formula II-3:

 $t2 \le Pg/2/tan(\gamma i)$ 

where f1 represents a distance between a valley of the lenticular lens array and the focal plane, Pg represents a pixel pitch on the screen, and yi represents an in-layer equivalent angle in the transparent layer that is obtained by converting an observation angle  $\gamma$  at which a luminance of 1/10 of that in a normal direction is obtained due to diffusion caused by the diffusing layer, and is expressed as Formula II-4 below:

Formula II-4:  $\gamma i = a \sin(\sin(\gamma)/n)$ 

where n represents a refractive index n of the transparent layer.

15. (currently amended) The rear-projection display according to claim 13 or 14, wherein the first screen element is a Fresnel lens sheet made of a transparent material containing substantially no diffusing material.

16. (currently amended) The rear-projection display according to claim 13 or 14, wherein a light absorbing layer is provided on a light non-transmission portion in a vicinity of the focal plane of the lenticular lens array of the second screen element.

17. (original) A rear-projection screen on whose surface on a light-projected side an

image formed by a spatial modulation element is projected so that the image is observed

from an image-observed side opposite to the light-projected side,

the rear-projection screen comprising:

a first screen element for converting projected light from the spatial modulation

element into substantially parallel light; and

a second screen element for diffusing the substantially parallel light,

wherein the second screen element includes a lenticular lens array that is provided

on the surface on the light-projected side and whose length-wise direction is directed in a

vertical direction, a diffusing layer provided at the image-observed side of the lenticular

lens array, and a transparent layer provided between the lenticular lens array and the

diffusing layer,

wherein a distance t1 between a light-projected-side surface of the diffusing layer

and a focal plane of the lenticular lens array satisfies Formula II-1 below, and a distance

t2 between an image-observed-side surface of the diffusing layer and the focal plane of

the lenticular lens array satisfies Formula II-5 below:

Formula II-1:

· t1 ≥ f1

Formula II-5:

 $t2 \le f1 \times P1 \times 0.7$ 

where:

fl represents a distance between a valley of the lenticular lens array and the

focal plane, and P1 represents an array pitch of the lenticular lens array; and

5

a unit of t1 is according to that of f1, and a unit of t2 is millimeters.

18. (original) A rear-projection screen on whose surface on a light-projected side an

image formed by a spatial modulation element is projected so that the image is observed

from an image-observed side opposite to the light-projected side,

the rear-projection screen comprising:

a first screen element for converting projected light from the spatial modulation

element into substantially parallel light; and

a second screen element for diffusing the substantially parallel light,

wherein the second screen element includes a lenticular lens array that is provided

on the surface on the light-projected side and whose length-wise direction is directed in a

vertical direction, a diffusing layer provided at the image-observed side of the lenticular

lens array, and a transparent layer provided between the lenticular lens array and the

diffusing layer,

wherein a distance t1 between a light-projected-side surface of the diffusing layer

and a focal plane of the lenticular lens array satisfies Formula II-1 below, and a distance

t2 between an image-observed-side surface of the diffusing layer and the focal plane of

the lenticular lens array satisfies Formula II-6 below:

Formula II-1:

t1 ≥ f1

Formula II-6:

 $t2 \le 0.35/tan(\gamma i)$ 

where:

6

fl represents a distance between a valley of the lenticular lens array and the focal plane, and  $\gamma$ i represents an in-layer equivalent angle in the transparent layer that is obtained by converting an observation angle  $\gamma$  at which a luminance of 1/10 of that in a normal direction is obtained due to diffusion caused by the diffusing layer, and is expressed as Formula II-7 below:

Formula II-7:  $\gamma i = a \sin(\sin(\gamma)/n)$ 

where:

n represents a refractive index n of the transparent layer; and a unit of t1 is according to that of f1, and a unit of t2 is millimeters.

19. (currently amended) The rear-projection screen according to claim 17 or 18, wherein the first screen element is a Fresnel lens sheet made of a transparent material containing substantially no diffusing material.

20. (currently amended) The rear-projection screen according to claim 17 or 18, wherein a light absorbing layer is provided on a light non-transmission portion in a vicinity of the focal plane of the lenticular lens array of the second screen element.

21. (New) The rear-projection display according to claim 14, wherein the first screen element is a Fresnel lens sheet made of a transparent material containing substantially no diffusing material.

- 22. (New) The rear-projection display according to claim 14, wherein a light absorbing layer is provided on a light non-transmission portion in a vicinity of the focal plane of the lenticular lens array of the second screen element.
- 23. (New) The rear-projection screen according to claim 18, wherein the first screen element is a Fresnel lens sheet made of a transparent material containing substantially no diffusing material.
- 24. (New) The rear-projection screen according to claim 18, wherein a light absorbing layer is provided on a light non-transmission portion in a vicinity of the focal plane of the lenticular lens array of the second screen element.